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ABSTRACT

a An indexed database alarm and monitor, for assigning each unit of a multiple unit system a labeled index of pre-selected designations, and or descriptions of use by voice-playback and reporting, by voice-playback of first detecting units designation and or description of use by each unit in the system. 6

2 (Being comprised of the following components, a fire sensor, an alarm IC with piezo horn And detection I/O, a multiple position encoder, a 8-bit dip switch, a radio frequency decoder transmitter and receiver encoder with antenna switch and antenna, a voice-playback device with speaker and a microcontroller all housed within one unit. 8

(A complete system being comprised of a plurality of said units, equal to the number of positions on the multiple position encoder, each units multiple position encoders position being different and generating a different index.

~~The first unit to detect a fire incident, by way of fire sensor is defined as, the unit of "FIRST DETECTION", this unit will output a fixed alarm and the voice segment indexed by its multiple position encoder's position, it also concurrently transmits a radio frequency 12-bit signal containing an 8-bit system ID plus the units designated 4-bit index.~~

Upon receiving the 12-bit radio frequency signal, remaining units of system validate the 8-bit system ID and become "SYSTEM MONITORS", applying the 4-bit index of the first detecting unit to each of their identical voice-playback databases, monitors then output a

~~fixed alarm and the voice-playback segment designated by the index of the first detecting unit.~~